

1981 EDITORIAL INDEX

SUBJECTS

ASHRAE

A Dues Increase is Necessary, 4/88
ASHRAE Action, 4/58
ASHRAE Action, 8/47
ASHRAE Convenes in Chicago, 4/61
ASHRAE Position Statements, 8/54
Blue Ribbon Award, 1/101
Chapter Officers, 1/116
First Annual ASHRAE Energy Awards, 4/31
New Products at the Show, 4/68
1981 Annual Meeting: Summaries of Technical Sessions, Symposia, Seminars, and Forums, 5/52
1982 Semiannual Meeting Abstracts, 12/31
Nominations: ASHRAE Officers and Directors, 4/72
Officers, Directors, Committeemen, and Staff, 1/119
Officers, Directors, Committeemen, and Staff, 8/60
Presidential Award of Excellence, 11/74
Staff Announcements, 1/103
State-of-the-Society, 4/57
Subject Index for Technical Sessions, Symposia, Seminars, Forums, and Poster Session, 1/108
Technical Leadership, 8/10
Treasurer's Report/Financial Statement, 12/48

BUILDINGS

Air Tightness: Supermarkets and Shopping Malls, 3/44
Analysis of Computer-Simulated Thermal Performance: The Norris Cotton Federal Office Building, 7/43
Building Energy Analysis Methods—A Roundtable Discussion, 6/32
Building Envelope Performance Testing, 3/39
Building Envelope: The Issues, 3/23
Commercial Building Ownership Energy Conservation Cost Analysis Model—A Follow-up, 9/45
Field Checks on Building Pressurization for Smoke Control in High-Rise Buildings, 2/21
Life-Cycle Costing Building Replacement Analysis Model, 8/39
New Denver High Rise Features Coordinated Life-Safety System, 2/43
Retrofit of Building Systems for Resource Conservation: Six State-of-the-Art Examples, 7/58
The Role of Government Action in Improving Building Energy Efficiency, 6/25

CHILLERS

Operating and Controlling Chillers to Save Energy, 9/33

COMPUTERS

Basics of Computer/Control Device Interfacing, 9/26

DESIGN

Changing Relationships in the Design Process—A Roundtable Discussion, 6/48
Putting R&D to Work in the Design and Construction Process, 6/41

DISEASE

Legionnaires' Disease: A Status Report, 1/56

ENERGY CALCULATION

A Comparison of Energy Calculation Procedures, 8/21

ENERGY MANAGEMENT

Advanced Control Strategies for Energy Conservation in Building Operations, 7/55
Beyond Setback: Energy Efficiency Through Adaptive Control, 7/37
Energy Conservation and Indoor Air Quality, 3/35
Energy Conservation Evaluation: Rate of Return vs The Present Worth Method of Life Cycle Costing, 11/52
Energy Conservation Opportunities in Cold Storage Warehouses, 12/19

ASHRAE JOURNAL December 1981

Energy Management Program for Retrofitting HVAC Systems, 5/45
Energy Management with Central Control and Monitoring Systems, 7/40
Energy Simulation with ESP—II, 8/26
Field Test of Energy Savings with Thermostat Setback, 1/67
Project Icebox—An Annual Energy Storage System, 5/48
Electrical Energy Management, 7/31
Strategy/Criteria for Transition of a Central Plant System from Heat Recovery to Conventional Heating and Refrigerating, 12/27

HISTORICAL REPRINT

Historical Reprint Series: Theory and Use of a Capillary Tube for Liquid Refrigerant Control, 1/62

HURRICANE

Disaster: The Day of the Hurricane in Mobile, 9/51

INDUSTRY

Outlook: Strategies and Policy Decisions for a New Decade, 1/41

INSULATION

Photo Story: Improved Methods: Installing Insulation, 3/48
T.C. 4.4 Reports: Advancing the State-of-the-Arts, Thermal Insulations and Moisture Retarders, 3/32

INTERNATIONAL

The ISH: Frankfurt's Window on Worldwide HVAC & R Trends, 6/60
U.S./U.S.S.R. Technological Exchange, 3/25
World-Wide Reports: An Overview, 3/24

NOISE

Revised Noise Criteria for Design and Rating of HVAC Systems, 5/34

REFRIGERATION

Comparison of Bare and Finned Pipe Coils in Frozen Fish Storage, 12/21
Optimum Interstage Pressure for Two-Stage Refrigeration Systems, 1/58
Preventing Floor Heave in Refrigerated Warehouses, 12/24

REGULATORY POLICIES

Regulatory Policy and Technology Choice: Cogeneration, A Case Study, 10/31

RESEARCH

ASHRAE Research 1981-1982, 10/45
Honor Roll of Investors, 1980-81
Research: A Cost Effective Solution to Achieve Thermal Performance of Roofing Systems, 3/54
Research: Are You Comfortable? Comfort and Human Physiology, 6/67
Research: ASHRAE International, 1/99
Research: Blind Obedience to Codes and Standards, 2/62
Research: Fire and Smoke Control: Interfacing ASHRAE's Technical Committees, 2/63
Research: Fundamental Research, Section I, 9/56
Research: Good Luck Jerry!, 6/71
Marmaduke Eyeballs ASHRAE Research, 7/61
Research: New Opportunities in the Refrigeration of Fish, 8/58
Research: Refrigerant Line Sizing, 12/54
The R&T Process—What You Should Know, 10/54
Research Note No. 23, 9/55 Research Note No. 26, 11/56
Research Note No. 24, 9/57 Research Note No. 27, 12/47
Research Note No. 25, 10/53

SI

Pressure/stress Units Have Convenient Multiples, 2/31

Force in SI Needs No "gc" Factor, 2/31
In SI, Energy = J, Power = W 2/40
In SI, Think Mass, Not Weight, 2/61
Modular Designs With SI Units, 2/61
Force in SI Needs No "gc" Factor, 6/74
SI Pressure Stress Units Have Convenient Multiples, 7/63

SMOKE

The Hazards of Las Vegas: the MGM Grand Hotel Disaster, 2/28
Mt. Sinai Medical Center: A New Concept in Smoke Control, 2/34

SOLAR

Comparative Report of Solar Heating Systems Performance, 11/35
Experimental Performance Comparison of Two Air-Type Solar Heating Systems, 11/43
Northern Tri-Load Solar System, 9/21
A Solar-Assisted System: Even The Sun Needs Help, 11/49

Solar Powered Hospitals: Cost Effective Solution to Rising Costs, 8/31
Solar Technology: Time For A Realistic Appraisal, 11/29
Solar Thermal Residential and Commercial Economics: 1980 Update, 5/39
Sun/Tronic House: New England Solar Residence, 5/31
Using the Sun, 6/56

STANDARDS

Energy Performance Standards: The Economic Issues, 1/49
Standards Criteria for HVAC Systems and Equipment Performance Simulation Procedures, 10/25
Status of ASHRAE Standards, 2/64
Status of ASHRAE Standards, 6/72
Status of ASHRAE Standards, 8/59
Status of ASHRAE Standards, 9/60
Status of ASHRAE Standards, 12/52

THERMOSTATS

Dead Band Thermostats Pro and Con, 7/51

VENTILATION

How Ventilation Influences Energy Consumption and Indoor Air Quality, 9/40

WEATHER DATA

Development of Hourly Data for Weather Year for Energy Calculations (WYEC), 10/37

AUTHORS

BECKEY, THOMAS

Field Test of Energy Savings with Thermostat Setback, with Nelson, Lorne W., 1/67

BERGLUND, L.G.

Research: Fundamental Research: Section 1, 9/56

BIEHL, R.A.

Basics of Computer/Control Device Interfacing, 9/26

BILLINGS, LEONARD

Mt. Sinai Medical Center: A New Concept in Smoke Control, 2/34

BINKLEY, JAMES

Putting R&D to Work in the Design and Construction Process, with Menge, Richard, 6/41

BLAZIER, JR., WARREN E.

Revised Noise Criteria for Design and Rating of HVAC Systems, 5/34

BLOSSOM, JOHN S.

Research: The R & T Process—What You Should Know, 10/54

CARLSMITH, ROGER

The Role of Government Action in Improving Buildings' Energy Efficiency, with Hirst, Eric and Fulkerson, William, 6/25

CIEMINSKI, FRED

New Denver High-Rise Features Coordinated Life-Safety System, with Marek, Don E., 2/43

CHADDOCK, JACK B.

Presidential Award of Excellence, 11/74
Technical Leadership, 8/10

CONOPASK, JEFF V.

Solar Thermal Residential and Commercial Economics: 1980 Update, with Easterly, James, and Fonash, Peter, 5/39

COOPER, KENNETH W.

Research: Fire and Smoke Control, Interfacing ASHRAE's Technical Committees, 2/63

CROW, LOREN W.

Development of Hourly Data for Weather Year for Energy Calculations WYEC, 10/37

DAVIS, WARREN B.

Present and Future Energy Supplies, excerpted from an address at the 1981 ASHRAE Annual Meeting, 8/51

DRAKE, DONALD E.

ASHRAE Energy Award, First Place Institutional/Commercial, New Construction, with Lange, James T., 4/34

DUWELL, DAN A.

ASHRAE Energy Award, Second Place Institutional/Commercial, Existing Structures with Gatley, Donald P., 4/44

EASTERLY, JAMES

Solar Thermal Residential and Commercial Economics: 1980 Update, with Conopask, Jeff V., and Fonash, Peter, 5/39

EBERLEIN, MICHAEL B.

Experimental Performance of Two Air-Type Solar Heating Systems, with Holte, Hartley O. and Steinhof, Robert B., 11/43

EGGELING, IRENE F.

New Products at the Show, 4/68

FERREIRA, FRANCIS

Energy Simulation with ESP—II, with Kalasinsky, Charles, 8/26

FOGLEYMAN, SAM R.

Marmaduke Eyeballs ASHRAE Research, 7/61

FONASH, PETER

Solar Thermal Residential and Commercial Economics: 1980 Update, with Conopask, Jeff V., and Easterly, James, 5/39

FREI, STEVEN G.

Northern Tri-Load Solar System, with Nelson, John S., 9/21

FRISSORA, JOSEPH R.

Solar Technology: Time for a Realistic Appraisal, 11/29

FULKERSON, WILLIAM

The Role of Government Action in Improving Buildings' Energy Efficiency, with Hirst, Eric and Carlsmith, Roger, 6/25

FULLMAN, CARL

Dead Band Thermostats Pro and Con, with Helm, Bob M., 7/51

FREEDMAN, GILBERT M.

Strategy/Criteria for Transition of a Central Plant System from Heat Recovery to Conventional Heating and Refrigerating, 12/27

GATLEY, DONALD P.

ASHRAE Energy Award, Second Place, Institutional/Commercial, Existing Structures with Duwell, Dan A., 4/44

GOLDMAN, RALPH F.

Research: Are You Comfortable? Comfort and Human Physiology, 6/67

GUPTON, JR., GUY W.

Retrofit of Building Systems for Resource Conservation: Six State-of-the-Art Examples, 7/58

GUTMAN, W. EDMOND

The ISH: Frankfurt's Window on Worldwide HVAC&R Trends, 6/60

HADLEY, DR. JOHN

Energy Conservation and Indoor Air Quality, 3/35

HALLANGER, ERLING, C.

Operating and Controlling Chillers to Save Energy, 9/33

HAMPSON, II, G. ROBERT

Energy Conservation Opportunities in Cold Storage Warehouses, 12/19

HARMON, JR., KERMIT S.

Advanced Control Strategies for Energy Conservation in Building Operations, 7/55

HARRIMAN, RICHARD E.

Regulatory Policy and Technology Choice: Cogeneration, A Case Study, with Spiewak, Scott A., 10/31

HARRJE, DAVID

Building Envelope Performance Testing, 3/39

HELM, BOB M.

Dead Band Thermostats Pro and Con, with Fullman, Carl, 7/51

HIRST, ERIC

The Role of Government Action in Improving Buildings' Energy Efficiency, with Fulkerson, William, and Carlsmith, Roger, 6/25

HOLNESS, GORDON V.R.

ASHRAE Energy Award, Third Place, Industrial Buildings, 4/53

HOLTE, HARTLEY O.

Comparative Report of Solar Heating Systems Performance, with Kendall, Paul W., 11/35

HOYNACKI, PAUL

ASHRAE Energy Award, First Place, Institutional/Commercial, Existing Structures, 4/42

KALASINSKY, CHARLES

Energy Simulation with ESP—II, with Ferreira, Francis, 8/26

KENDALL, PAUL W.

Comparative Report of Solar Heating Systems Performance, with Holte, Hartley O., 11/35

KING, J. WILLARD

ASHRAE Energy Award, First Place, Industrial Buildings, 4/49

KLASSEN, JACOB

Project Icebox—An Annual Energy Storage System, 5/48

KUSUDA, TAMAMI

A Comparison of Energy Calculation Procedures, 8/21

Standards Criteria for HVAC Systems and Equipment Performance Simulation Procedures, 10/25

LAHMON, RALPH D.

Energy Management Program for Retrofitting HVAC Systems, 5/45

LAMP, GEORGE E.

Energy Conservation Evaluation, with Montag, Geraldine M., 11/52

LANGE, JAMES T.

ASHRAE Energy Award, First Place Institutional/Commercial, New Construction, with Drake, Donald E., 4/34

LEHTINEN, MERJA HELEN

Sun/Tronic House: New England Solar Residence, 5/31

LEVINE, M.

Beyond Setback: Energy Efficiency Through Adaptive Control, with Moll, L.W., 7/37

LEWIS, THOMAS Y.

Using the Sun, with Morris, Peter M., 6/56

MALDONADO, EDUARDO A. B.

How Ventilation Influences Energy Consumption and Indoor Air Quality, with Woods, James E., and Reynolds, Gary L., 9/40

MAREK, DON E.

New Denver High-Rise Features Coordinated Life Safety System, with Cieminski, Fred, 2/43

MAY, JR., WILLIAM B.

Analysis of Computer-Simulated Thermal Performance: The Norris Cotton Federal Office Building, with Spielvogel, Lawrence G., 7/43

MCDONALD, ROBERT O.

A Dues Increase is Necessary, 4/88

Treasurer's Report/Financial Statement, 12/48

MCSHERRY, GARY

ASHRAE Energy Award, Second Place, Industrial Buildings, 4/51

MENGE, RICHARD

Putting R&D to Work in the Design and Construction Process, with Binkley, James, 6/41

MOLL, L.W.

Beyond Setback: Energy Efficiency Through Adaptive Control, with Levine, M., 7/37

MONTAG, GERALDINE

Commercial Building Ownership Energy Conservation Cost Analysis Model—A Followup, 9/45

Energy Conservation Evaluation, with Lamp, George E., 11/52

Life-Cycle Costing Building Replacement Analysis Model, 8/39

MORGENROTH, DAN E.

Research: A Cost Effective Solution to Achieve Thermal Performance of Roofing Systems, 3/54

U.S./U.S.S.R. Technological Exchange, 3/25

MORRIS, PETER M.

Using the Sun, with Lewis, Thomas Y., 6/56

MORRISON, CAROL

ASHRAE Energy Award, Third Place, Institutional/Commercial, Existing Structures, 4/47

NELSON, LORNE W.

Field Test of Energy Savings with Thermostat Setback, with Beckey, Thomas, 1/67

NELSON, JOHN S.

Northern Tri-Load Solar System, with Frei, Steven G., 9/21

NELSON, RALPH F.

ASHRAE Energy Award, Second Place, Institutional/Commercial, New Construction, 4/38

NIEVES, LESLIE A.

Energy Performance Standards: The Economic Issues, 1/49

PADILLO, ROBERT A.

Solar Powered Hospitals: Cost Effective Solution to Rising Costs, 8/31

PASCHE, ROGER M.

Experimental Performance of Two Air-Type Solar Heating Systems, with Eberlein, Michael B. and Steinhof, Robert B., 11/43

PERRY, JR., LAWRENCE E.

ASHRAE Energy Award, Third Place, Institutional/Commercial, New Construction, 4/40

PRASAD, MANOHAR

Optimum Interstage Pressure for Two-Stage Refrigeration Systems, 1/58

REYNOLDS, GARY L.

How Ventilation Influences Energy Consumption and Indoor Air Quality, with Maldonado, Eduardo A.B.; and Woods, James E., 9/40

RICHARDS, WILLIAM V.

Research: Refrigerant Line Sizing, 12/54

RODAHL, DR. EYSTEIN

Research: ASHRAE International, 1/99

SAINSBURY, G.F.

Comparison of Bare and Finned Pipe Coils in Frozen Fish Storage, 12/21

SEMPLE, J. BROOKS

The Hazards of Las Vegas: The MGM Grand Hotel Disaster, 2/28

SEPSY, CHARLES F.

First Annual ASHRAE Energy Awards, 4/31

State-of-the-Society, 4/57

The State of the Society 1980-81, excerpts from a report at the 1981 ASHRAE Annual Meeting, 8/53

SHAW, C.Y.

Field Checks on Building Pressurization for Smoke Control in High-Rise Buildings, with Tamura, G.T., 2/21

Air Tightness: Supermarkets and Shopping Malls, 3/44

SIBLEY, HOWARD

Legionnaire's Disease: A Status Report, 1/56

SILVERTHORNE, PAUL N.

Energy Management with Central Control and Monitoring Systems, 7/40

SLAVIN, JOSEPH W.

New Opportunities in the Refrigeration of Fish, 8/58

SPETHMANN, DONALD H.

Electrical Energy Management, 7/31

SPIELVOGEL, LAWRENCE G.

Analysis of Computer-Simulated Thermal Performance: The Norris Cotton Federal Office Building, with May, Jr., William B., 7/43

SPIEWAK, SCOTT A.

Regulatory Policy and Technology Choice: Cogeneration, A Case Study, with Harriman, Richard E., 10/31

STAEBLER, L.A.

Historical Reprint Series: Theory and Use of a Capillary Tube for Liquid Refrigerant Control, 1/62

TAMBLYN, ROBERT T.

Research: Good Luck Jerry!, 6/71

TAMURA, G.T.

Field Checks on Building Pressurization for Smoke Control in High-Rise Buildings, with Shaw, C.Y., 2/21

TAYLOR, R.E.

Research: Blind Obedience to Codes and Standards, 2/62

TEITSMA, GERARD

T.C. 4.4 Reports: Advancing the State-of-the-Arts, Thermal Insulations, and Moisture Retarders, 3/32

THEILMANN, RICHARD

Photo Story: Improved Methods: Installing Insulation, 3/48

VON WARD, PAUL

World-Wide Reports: An Overview, 3/24

WEBBER, JOSEPH F.

Preventing Floor Heave in Refrigerated Warehouses, 12/24

WOODS, JAMES E.

How Ventilation Influences Energy Consumption and Indoor Air Quality, with Maldonado, Eduardo A.B.; and Reynolds, Gary L., 9/40 □ □

